

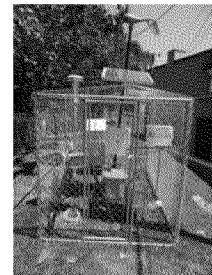


RIVER MILE 10.9 REMOVAL ACTION PERIMETER AIR MONITORING PROGRAM WEEKLY REPORT

Summary of perimeter air monitoring for the week ending September 8, 2013

Dredging operations, which began on August 3, 2013, are being continuously monitored to ensure that air quality is maintained at acceptable levels. To monitor air quality, a number of sampling locations have been established as shown on the map below.

Operations were conducted within acceptable air monitoring limits.



Real-Time Air Monitoring Data

Air Monitoring Station	Daily Averages For Week Ending September 8							
	Air Indicator Criteria	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	Sun.
PMS #1 (Park)								
VOCs (ppm)	10	0.00	0.04	0.03	NS	NS	NS	NS
H ₂ S* (ppm)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dust (ug/m ³)	450	55	8	2	NS	NS	NS	NS
PMS #2 South (Park)								
VOCs (ppm)	10	0.01	0.01	0.00	NS	NS	NS	NS
H ₂ S* (ppm)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dust (ug/m ³)	450	79	13	7	NS	NS	NS	NS
Mobile #1 (Park)								
VOCs (ppm)	10	NS	0.02	NS	NS	NS	NS	NS
H ₂ S* (ppm)	0.02	NS	0.00	NS	NS	NS	NS	NS
Dust (ug/m ³)	450	NS	29	NS	NS	NS	NS	NS
IRS #1 (River)								
VOCs (ppm)	10	0.18	0.06	0.17	NS	NS	NS	NS
H ₂ S* (ppm)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dust (ug/m ³)	450	59	7	3	NS	NS	NS	NS

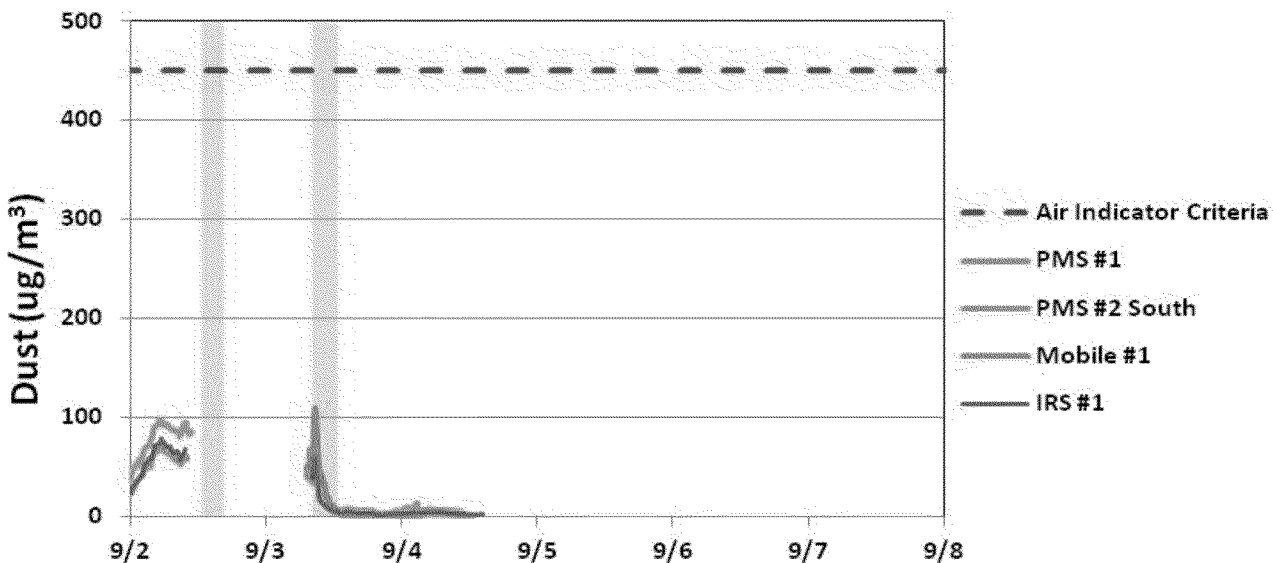
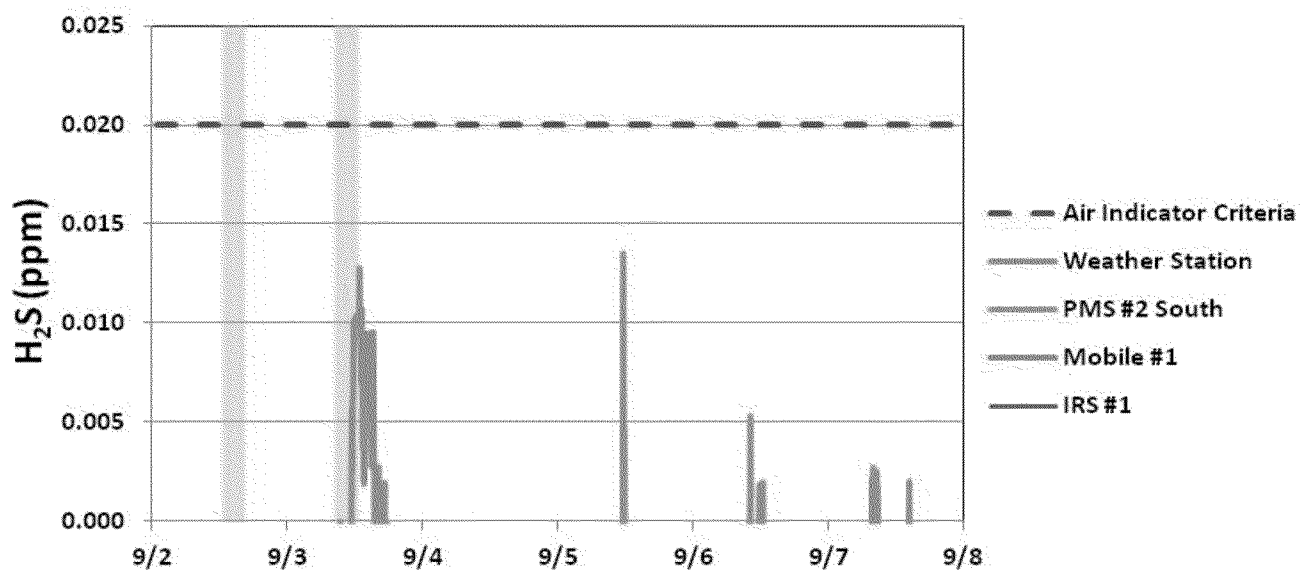
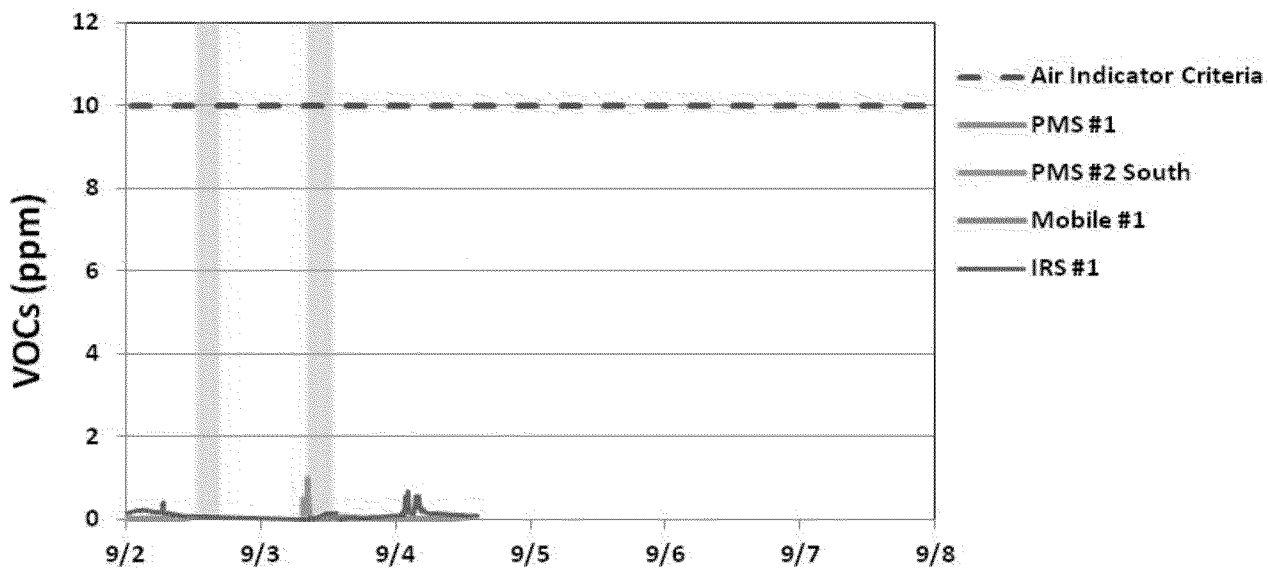
* Odor indicator, criterion not associated with elevated health risk

Key: H₂S = hydrogen sulfide; NS = not sampled; VOC = volatile organic compound

Units: ppm = parts per million; ug/m³ = micrograms per cubic meter

Real-Time Air Monitoring

(Times in which there was dredging activity are shown in yellow)



24-Hour Composite Air Monitoring: No Exceedances of Air Indicator Criteria

Station ID	Sample Start Date	Chemical	Air Concentration (ug/m ³)	Air Indicator Criteria (ug/m ³)	Exceedance of Air Indicator Criteria
PMS #1	8/28/2013	TCDD	1.8E-08	2.4E-05	no
PMS #1	8/23/2013	TCDD	1.2E-08	2.4E-05	no
PMS #1	8/23/2013	TCDD	6.3E-09	2.4E-05	no
PMS #1	8/27/2013	PCB	1.0E-03	0.11	no
PMS #1	8/26/2013	Mercury	ND	2.4	no
PMS #1	8/29/2013	Mercury	ND	2.4	no
PMS #2 South	8/23/2013	TCDD	ND	2.4E-05	no
PMS #2 South	8/27/2013	PCB	8.3E-04	0.11	no
PMS #2 South	8/26/2013	Mercury	ND	2.4	no
PMS #2 South	8/29/2013	Mercury	ND	2.4	no
Mobile #1	8/23/2013	TCDD	5.8E-09	2.4E-05	no
Mobile #1	8/28/2013	TCDD	5.9E-10	2.4E-05	no
Mobile #1	8/27/2013	PCB	9.5E-04	0.11	no
Mobile #1	8/26/2013	Mercury	ND	2.4	no
Mobile #1	8/29/2013	Mercury	ND	2.4	no
IRS #1	8/23/2013	TCDD	6.2E-09	2.4E-05	no
IRS #1	8/28/2013	TCDD	3.7E-09	2.4E-05	no
IRS #1	8/27/2013	PCB	1.4E-03	0.11	no
IRS #1	8/26/2013	Mercury	ND	2.4	no
IRS #1	8/29/2013	Mercury	ND	2.4	no

Note: Table Presents Preliminary Unvalidated Data

Key: ND = Not Detected above the following sample quantitation limits (ug/m³):

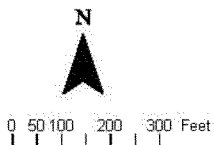
TCDD - 2.0E-10

PCB - 8.6E-04

Mercury - 4.2E-04

ug/m³ = microgram per cubic meter

DAY:\ANTIGONE\PROJ\LOWERPASSAICRIVER\GPRM41206\LOWERPASSAICF8\GIS\MAPFILES\RM10-9DRAFT\FINAL\FIG1_LPR_COMMAIRMONITOR_RMW.MXD RMOCREAD 7/26/2013 9:05:05 AM



Notes:
1. Orthophoto: NJGIS, 2007

Perimeter Air Monitoring Stations
RM 10.9 Removal Action Air Monitoring Plan
Lower Passaic River Study Area, New Jersey